

JEONGJUN KIM

Contact

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🐱 [jeongjun-kim](#)
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Languages

Korean
English

Education

BS in Electrical and Computer Engineering
Seoul National University
2019 - 2025

Computer Science skills

C, C++, Python
CUDA, Nsight
PyTorch

Dev/MLOps skills

Docker
Kubernetes
vLLM



Fork

CAREER PROFILE

Research Interests : Scalable simulation enabling effective world interaction in Robot learning, and design of hardware-friendly algorithms and AI workloads.

EXPERIENCE

Undergraduate Research Intern

CLVR Lab in KAIST / Advised by Prof. Joseph J. Lim 2024.12 ~ Now

Vice president & RL/Robotics Team Member

AttentionX, AI Research Group 2024.06 ~ Now
Developing a world-model that simulates environment dynamics for decision-making in long-horizon tasks.
Technologies_Used: Isaac Sim, Isaac SDK, Reinforcement Learning

Undergraduate Research Intern

3D Vision Lab in SNU / Advised by Prof. Young Min Kim 2024.07 ~ 2024.12
Conducting research on Dynamic Neural Radiance Fields (NeRF) for my BS graduation thesis.
Technologies_Used: PyTorch, OpenGL, Computer Graphics

Major Course Undergraduate TA

College of Engineering, Seoul National University 2024.03 ~ 2024.08
Introduction to Algorithms (ECE430.329)
Data-structure and Algorithms(M3500.004500)
Received Best Tutor award (2024.07)
Technologies_Used: Python, C++, Datastructure and Algorithms

Applied AI intern

Digital Healthcare Lab, NAVER CLOUD / Advised by Ph.D Haanju Yoo 2023.12 ~ 2024.03
Experience in tackling real-world problems in the industry by utilizing LLM(HYPERCLOVA X)
Design of scalable Architecture for Action-based Chatbot Agent
NER Model Tuning and Serving PoC for Clinical Documentation using Open-Source sLLM, developing on-premise inference server and MLOps pipeline on Kubernetes
Technologies_Used: LLM, Langchain, RAG, Kubernetes, Docker

Undergraduate Research Intern

Medisc Lab in SNUH / Advised by Prof. HyounJoong Kong 2023.07 ~ 2023.12
Collaborative Research with Medical Doctor and AI research assistance
Data Augmentation via GANs for data-scarce Classes in Breast Implant Classification
Research on AI Modeling related to Breast Reconstruction with multi-modal medical imaging (collaborated with Plastic Surgeon)
Technologies_Used: Computer Vision, Medical Imaging

SNU Buddy Member

Office of International Affairs in Seoul National University 2023.02 ~ 2023.06
Helped International exchange students with their school life

Military Police / KATUSA (Mandatory Military Service)

55th Military Police CO, USAG Yongsan-Casey 2021.05 ~ 2022.11
Performed law enforcement duties in collaboration with the US Army

PROJECTS

High Throughput LLM serving on Edge Device - Research on LLM inference optimization technique for limited and unified memory environment, NVIDIA Jetson AGX Orin 32GB. (NVIDIA Joint Research Project)
Accepted for NVIDIA GTC 2025 Poster Session, San Jose, CA

PUBLICATIONS

Humans as a Calibration Pattern:

Dynamic 3D Scene Reconstruction from Unsynchronized and Uncalibrated Videos

Changwoon Choi, Jeongjun Kim, Geonho Cha, Minkwan Kim, Dongyoon Wee, and Young Min Kim

Arxiv preprint

CERTIFICATIONS

Getting Started with Accelerated Computing in CUDA C/C++

NVIDIA

2024.07

AWARDS AND SCHOLARSHIPS

3rd Prize (2024 SAMSUNG Computer Engineering Challenge)

Samsung Advanced Institute of Technology

2024.07 - 2024.10

Design optimized inference system for the Phi3-medium-4k-instruct LLM on the NVIDIA Jetson AGX Orin 32GB platform.

Applying hardware-specific optimizations such as CUDA acceleration and Algorithmic optimizations.

Medical AI Scholarship

Korea Health Industry Development Institute

2023.03 - Now

\$2200 per semester, merit-based scholarship for cultivating talented students that encompass both medical and artificial intelligence fields.

Merit-based Scholarship

Seoul National University

2023.09 - Now

Scholarship for the academic excellence in 2023 2nd semester, 2024 1st semester

VOLUNTEERING

SNU SENS (Society of Engineering for Volunteering)

College Of Engineering Seoul National University

2019.03 - 2020.12